IN THE CLAIMS

Please cancel without prejudice claims 2, 5, 8, 10-21, 23, 26, 29, and 31.

Please amend claims 1, 4, 7, 24, 27, and 30 as indicated below.

Please add new claims 32-34 as indicated below.

1. (Currently Amended) A method comprising:

applying an inverse wavelet transform having a 5,3 wavelet transform filter to data repeatedly for a plurality of decomposition levels during quantization of wavelet coefficients that is performed using a plurality of stages including one or more intermediate stages and a final stage; and

for each of the plurality of decomposition levels, clipping, after each application of the inverse wavelet transform during the one or more intermediate stages prior to the final stage, any value generated as a result of application of the inverse wavelet transform that exceeds a predetermined range associated with that decomposition level subband of the inverse wavelet transform including, after the inverse wavelet transform for 8-bit input samples, clipping low-pass coefficients exceeding the respective predetermined range to a value ranging from approximately –191 to 191.

2. (Canceled)

3. (Original) The method defined in Claim 1 wherein the inverse wavelet transform comprises a 9,7 wavelet transform filter.

4. (Currently Amended) An article of manufacture comprising one or more recordable media having executable instructions stored thereon which, when executed by a machine, cause the machine to:

apply an inverse wavelet transform having a 5,3 wavelet transform filter to data repeatedly for a plurality of decomposition levels during quantization of wavelet coefficients that is performed using a plurality of stages including one or more intermediate stages and a final stage; and

for each of the plurality of decomposition levels, clip, after each application of the inverse wavelet transform during the one or more intermediate stages prior to the final stage, any value generated as a result of application of the inverse wavelet transform that exceeds a predetermined range associated with that decomposition level, subband and inverse wavelet transform including, after the inverse wavelet transform for 8-bit input samples, clipping low-pass coefficients exceeding the respective predetermined range to a value ranging from approximately –191 to 191.

5. (Canceled)

6. (Original) The article of manufacture defined in Claim 4 wherein the inverse wavelet transform comprises a 9,7 wavelet transform filter.

7. (Currently Amended) An apparatus comprising:

means for applying an inverse wavelet transform having a 5,3 wavelet transform filter to data repeatedly for a plurality of decomposition levels during quantization of wavelet

coefficients that is performed using a plurality of stages including one or more intermediate stages and a final stage; and

for each of the plurality of decomposition levels, means for clipping, after each application of the inverse wavelet transform during the one or more intermediate stages prior to the final stage, any value generated as a result of application of the inverse wavelet transform that exceeds a predetermined range associated with that decomposition level, subband and inverse wavelet transform including, after the inverse wavelet transform for 8-bit input samples, means for clipping low-pass coefficients exceeding the respective predetermined range to a value ranging from approximately –191 to 191.

8. (Canceled)

9. (Original) The apparatus defined in Claim 7 wherein the inverse wavelet transform comprises a 9,7 wavelet transform filter.

10. – 21. (Canceled)

22. (Previously Presented) The method defined in Claim 1, wherein each of the plurality of decomposition levels has a predetermined range of values for clipping data after application of a wavelet transform at the respective decomposition level, at least two of the decomposition levels having different predetermined ranges.

23. (Canceled)

24. (Currently Amended) The method defined in Claim [[23]] 1, further comprising clipping high-pass coefficients exceeding the respective predetermined range to a value ranging from approximately –255 to 255.

25. (Previously Presented) The article of manufacture defined in Claim 4, wherein each of the plurality of decomposition levels has a predetermined range of values for clipping data after application of a wavelet transform at the respective decomposition level, at least two of the decomposition levels having different predetermined ranges.

26. (Canceled)

27. (Currently Amended) The article of manufacture defined in Claim [[26]] 4, wherein the instructions further cause the machine to clip high-pass coefficients exceeding the respective predetermined range to a value ranging from approximately –255 to 255.

28. (Previously Presented) The apparatus defined in Claim 7, wherein each of the plurality of decomposition levels has a predetermined range of values for clipping data after application of a wavelet transform at the respective decomposition level, at least two of the decomposition levels having different predetermined ranges.

29. (Canceled)

30. (Currently Amended) The apparatus defined in Claim [[29]] 7, further comprising means for clipping a high-pass coefficients exceeding the respective predetermined range to a value ranging from approximately –255 to 255.

31. (Canceled)

32. (New) A method comprising:

applying an inverse wavelet transform having a 5,3 wavelet transform filter to data repeatedly for a plurality of decomposition levels during quantization of wavelet coefficients that is performed using a plurality of stages including one or more intermediate stages and a final stage; and

for each of the plurality of decomposition levels, clipping, after each application of the inverse wavelet transform during the one or more intermediate stages prior to the final stage, any value generated as a result of application of the inverse wavelet transform that exceeds a predetermined range associated with that decomposition level subband of the inverse wavelet transform including, after the inverse wavelet transform for 8-bit input samples, clipping low-pass coefficients exceeding the respective predetermined range to a predetermined value.

33. (New) An article of manufacture comprising one or more recordable media having executable instructions stored thereon which, when executed by a machine, cause the machine to:

apply an inverse wavelet transform having a 5,3 wavelet transform filter to data repeatedly for a plurality of decomposition levels during quantization of wavelet coefficients

that is performed using a plurality of stages including one or more intermediate stages and a final stage; and

for each of the plurality of decomposition levels, clip, after each application of the inverse wavelet transform during the one or more intermediate stages prior to the final stage, any value generated as a result of application of the inverse wavelet transform that exceeds a predetermined range associated with that decomposition level subband of the inverse wavelet transform including, after the inverse wavelet transform for 8-bit input samples, clipping low-pass coefficients exceeding the respective predetermined range to a predetermined value.

34. (New) An apparatus comprising:

means for applying an inverse wavelet transform having a 5,3 wavelet transform filter to data repeatedly for a plurality of decomposition levels during quantization of wavelet coefficients that is performed using a plurality of stages including one or more intermediate stages and a final stage; and

for each of the plurality of decomposition levels, means for clipping, after each application of the inverse wavelet transform during the one or more intermediate stages prior to the final stage, any value generated as a result of application of the inverse wavelet transform that exceeds a predetermined range associated with that decomposition level subband of the inverse wavelet transform including, after the inverse wavelet transform for 8-bit input samples, clipping low-pass coefficients exceeding the respective predetermined range to a predetermined value.